

In the Claims:

Underlines indicate insertions, and ~~strikeouts~~ indicate deletions.

1 1. (Currently Amended) An appliance application loading
 2 system for a network environment, comprising:
 3 a client;
 4 a web application server communicating with the client within the
 5 network environment and configured as a central location to store applications
 6 and configuration settings for an appliance to enable configuration setups for a
 7 plurality of appliances;
 8 a at least one network-based appliance communicably attached
 9 with the web server within the network environment, wherein the network-
 10 based appliance includes an embedded device having a non-volatile storage
 11 device; and
 12 a loading mechanism provided on the network-based appliance and
 13 operative to download an application to the appliance from the web application
 14 server upon the occurrence of a power on/off cycle, wherein an application
 15 header and a universal resource locator (URL) are stored on the non-volatile
 16 storage device, and an application body is provided on the web server at a
 17 location corresponding with the URL, the URL being initialized to access the
 18 application body when the loading mechanism detects the application header.

1 2. (Original) The appliance application loading system of
 2 claim 1 wherein the loading mechanism is provided at least in part by the client.

1 3-5. (Canceled)

1 6. (Previously Presented) The appliance application loading
 2 system of claim 1 wherein the application body comprises a servlet provided on
 3 the web server.

1 7. (Original) The appliance application loading system of
2 claim 1 wherein the network-based appliance comprises an embedded device,
3 and the loading mechanism comprises a virtual machine.

1 8. (Original) The appliance application loading system of
2 claim 1 wherein the network-based appliance uses the loading device to
3 download specific appliance configuration settings.

1 9. (Original) The appliance application loading system of
2 claim 8 wherein the appliance comprises an embedded device, and the loading
3 mechanism comprises a program routine that copies an application program into
4 memory of the embedded device from the web server for execution.

1 10. (Currently Amended) A computer peripheral program
2 product, comprising:
3 a web application server configured as a central location to store
4 applications and configuration settings for a computer peripheral to enable
5 configuration setups for a plurality of computer peripherals;
6 a network environment;
7 a at least one computer peripheral; and
8 an application loader to load an extendable architecture application
9 to the computer peripheral so as to enable versioning, updating, and remote
10 configuration of the computer peripheral via the web application server;
11 wherein the application loader associates an application header of
12 the computer peripheral and an application body of the web application server,
13 the application includes the application header having identification information
14 for the application and a uniform resource locator (URL) to the application body,
15 the application body including one or more individual applications that can be
16 loaded on the computer peripheral, the URL being initialized to access the
17 application body when the application loader detects the application header.

1 11. (Previously Presented) The computer peripheral program
2 product of claim 10 wherein the computer peripheral comprises a virtual
3 machine including a web client.

1 12. (Previously Presented) The computer peripheral program
2 product of claim 10 wherein the computer peripheral comprises a printer, and
3 updating comprises configuring the printer with a printer application comprising
4 a printer configuration state.

1 13. (Original) The computer peripheral program product of
2 claim 12 wherein the printer configuration state comprises user settings.

1 14. (Original) The computer peripheral program product of
2 claim 12 wherein the printer configuration state comprises a servlet on the web
3 application server that transfers applications and settings to the printer in
4 response to a power cycle that automatically updates the applications and
5 configuration settings for the printer.

1 15. (Canceled)

1 16. (Currently Amended) A method for updating applications to
2 embedded devices, comprising:

3 providing a plurality of network-based ~~appliance~~ appliances each
4 communicably attached with a web application server, each of the ~~appliance~~
5 appliances having a loading mechanism to download an application to the
6 appliance from the server;

7 querying one of the ~~appliance~~ appliances and another of the
8 appliances with the web server to determine presence of an application header
9 for the one appliance and the another appliance; and

10 updating the one appliance and the another appliance with the
11 respective application from the server upon the occurrence of a power on/off
12 cycle and upon detecting the presence of the application header.

1 17. (Original) The method of claim 16 wherein the appliance
2 comprises an embedded device, and updating comprises configuring the
3 embedded device with an application comprising an embedded device
4 configuration state.

1 18. (Original) The method of claim 17 wherein the embedded
2 device configuration state comprises user settings.

1 19. (Original) The method of claim 17 wherein the embedded
2 device configuration state comprises a servlet on the web application server that
3 is transferred to the embedded device in response to a power cycle that
4 automatically updates the applications and configuration settings for the
5 embedded device.

1 20. (Original) The method of claim 16 wherein a plurality of
2 appliances are communicably attached with the web application server each
3 with a dedicated one of the loading mechanism, wherein the web application
4 server stores appliance applications and configuration settings to enable plural
5 appliance configuration setup to version and update such applications.

1 21. (Previously Presented) An appliance application loading
2 system for a network environment, comprising:
3 a client;
4 a server communicating with the client;
5 a network-based appliance communicably attached with the server,
6 the network-based appliance including an embedded device having a non-volatile
7 storage device; and
8 a loading mechanism provided on the network-based appliance and
9 operative to download an application to the network-based appliance from the
10 server upon the occurrence of a power on/off cycle, wherein an application
11 header and a universal resource locator (URL) are stored on the non-volatile
12 storage device, and an application body, having a servlet, is provided on the

1 server at a location corresponding with the URL, the URL being initialized to
2 access the application body when the loading mechanism detects the application
3 header;

4 wherein servlet settings corresponding to the network-based
5 appliance are automatically updated via the loading mechanism if a user locally
6 changes settings of the network-based appliance.

1 22. (Previously Presented) The system of claim 21, wherein the
2 server comprises a dedicated servlet configured to have settings that are unique
3 to a network-based appliance.

1 23. (New) The appliance application loading system of claim 1
2 further comprising a first network-based appliance and a second network-based
3 appliance, wherein the loading mechanism sets up the one network-based
4 appliance to have user settings for a first user who uses the one network-based
5 appliance locally, and the loading mechanism sets up the another network-based
6 appliance to have user settings for a second user who utilizes the another
7 network-based appliance locally, but remotely from the first network-based
8 appliance.

1 24. (New) The appliance application loading system of claim 23
2 wherein the one network-based appliance comprises one printer and the another
3 network-based appliance comprises another printer.

1 25. (New) The appliance application loading system of claim 24
2 wherein the loading mechanism utilizes the application body comprising a
3 servlet, wherein the one printer is delivered one servlet and the another printer is
4 delivered another servlet, wherein the one servlet comprises specific appropriate
5 user settings for the one printer and the another servlet comprises specific
6 appropriate user settings for the another printer.